

A PANICUM UNREPORTED IN NEW ENGLAND.— While collecting this fall on Arlington Heights I noticed an unusual looking Panicum. Field observation led me to believe that though it resembled *P. macrocarpon* Torr. (*P. Scribnerianum* Nash) it was not that species, and more careful study of my specimens, at home, verified my belief. It proved to be *P. oligosanthos* Schultes, a species hitherto unrecorded from New England or north of New Jersey.

*P. oligosanthos* Schultes closely resembles *P. macrocarpon* Torr., but is distinguishable from it, in the vernal state, by its more pubescent culms, rather taller growth and longer more hirsute spikelets which have a relatively longer, more acute first glume. The harsh puberulence of the lower surface of the blades is also in contrast with the glabrous or appressed pubescent (not the common form) lower surface of the blades of *P. macrocarpon*. In the autumnal state *P. oligosanthos* is usually more heavily branched than *P. macrocarpon* and is often top heavy in consequence, as were the specimens which first called my attention to the difference. Moreover the branches which also occur sparingly from the lower as well as middle and upper nodes are always shorter than the vernal culm which noticeably exceeds them, — whereas in the late state of *P. macrocarpon* the elongated autumnal branches exceed the relatively short vernal culm and panicle. Another rather striking difference is that the autumnal blades of *P. oligosanthos* are noticeably reduced in size, especially the later ones, and are widely spreading, — while the autumnal blades of *P. macrocarpon* are only slightly reduced in size and are strongly ascending. The panicles are even more included than in *P. macrocarpon* and are commonly reduced to a few spikelets.

The most northern specimens of *P. oligosanthos* in the Gray Herbarium are from Norfolk, Va., but Hitchcock and Chase Contr. Nat. Herb. 15: 285 (1910) report it from Atsion, New Jersey. My specimens are Nos. 497, rocky soil, Waverley, Mass., Oct. 13, 1912 and 498, same locality, Oct. 17, 1912. Specimens of the first number were sent to Washington, D. C., and verified by Mrs. Agnes Chase.

This species seems to be relatively plentiful in some of the rocky fields and along the roadside of the Waverley portion of Arlington Heights and was noted by me in small plots in several different places along about a mile of road. I did not see any plants of *P. macrocarpon*. — F. TRACY HUBBARD, Cambridge, Massachusetts.